

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P735965 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-4S-VHE**

Issue Date: 1/29/2024

**Test Information**

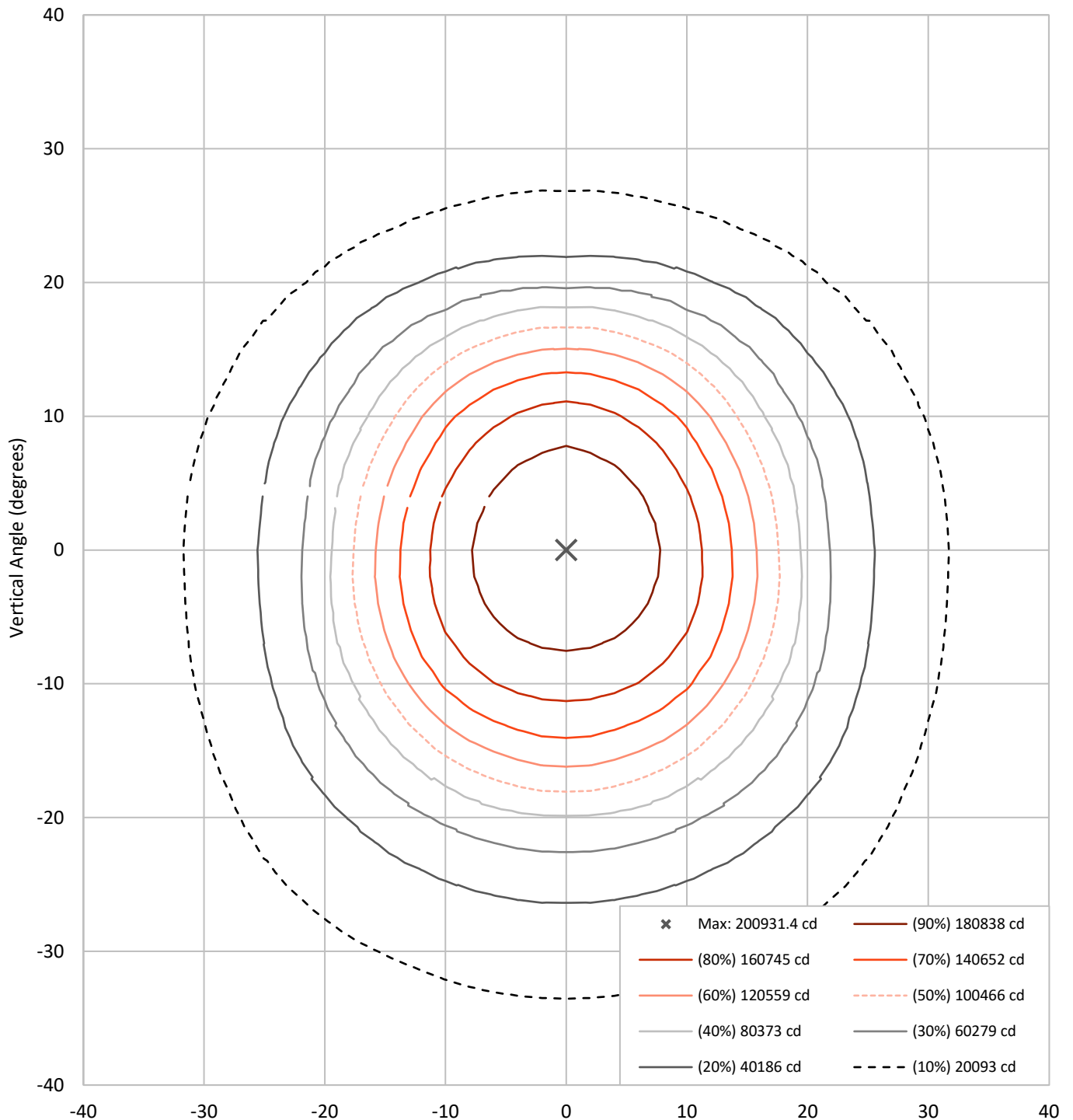
Test Method: LM-79-08  
Report Number: P735965 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-57-70-4S-VHE  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	83350.4 lumens	Max Intensity:	200931.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	44736.6 lumens	Field Lumens:	72799.9 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%
Input Watts (W):	559.9		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





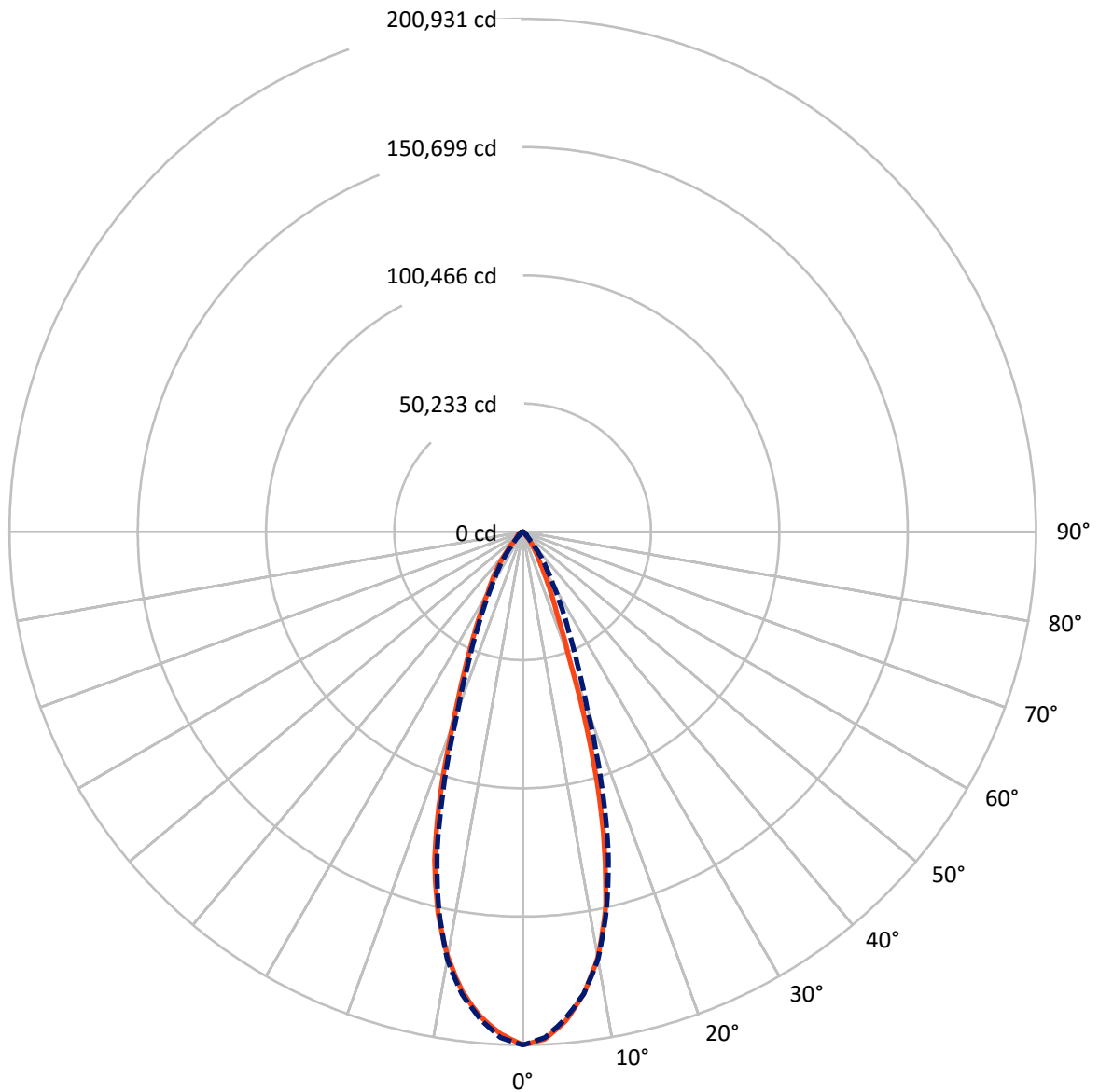
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### Lumen Table

90	0.3	0.9	1.6	2.2	2.4	2.2	1.6	0.9	0.3										
80	0.3	0.1	0.2	0.5	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.7	0.5	0.2	0.1	0.3			
70																			
60	0.3	0.4	0.7	1.1	1.1	0.8	1.0	1.2	1.2	1.0	0.8	1.1	1.1	0.7	0.4	0.3			
50																			
40	0.8	1.0	2.3	4.8	8.7	13.8	20.2	26.1	26.1	20.2	13.8	8.7	4.8	2.3	1.0	0.8			
30																			
20	1.8	4.4	13.2	25.6	80.5	247.4	539.9	818.8	818.8	539.9	247.4	80.5	25.6	13.2	4.4	1.8			
10																			
0	2.7	7.3	20.3	56.8	327.7	1139.7	3373.1	5401.4	5401.4	3373.1	1139.7	327.7	56.8	20.3	7.3	2.7			
-10																			
-20	3.1	8.3	23.9	58.5	280.3	884.2	2226.0	3657.1	3657.1	2226.0	884.2	280.3	58.5	23.9	8.3	3.1			
-30																			
-40	2.9	6.6	21.4	42.0	74.1	182.2	367.1	507.5	507.5	367.1	182.2	74.1	42.0	21.4	6.6	2.9			
-50																			
-60	2.5	3.9	10.0	21.9	37.7	50.8	61.4	68.9	68.9	61.4	50.8	37.7	21.9	10.0	3.9	2.5			
-70																			
-80	1.8	10.6	23.8	38.5	47.3	38.5	23.8	10.6	1.8										
-90																			

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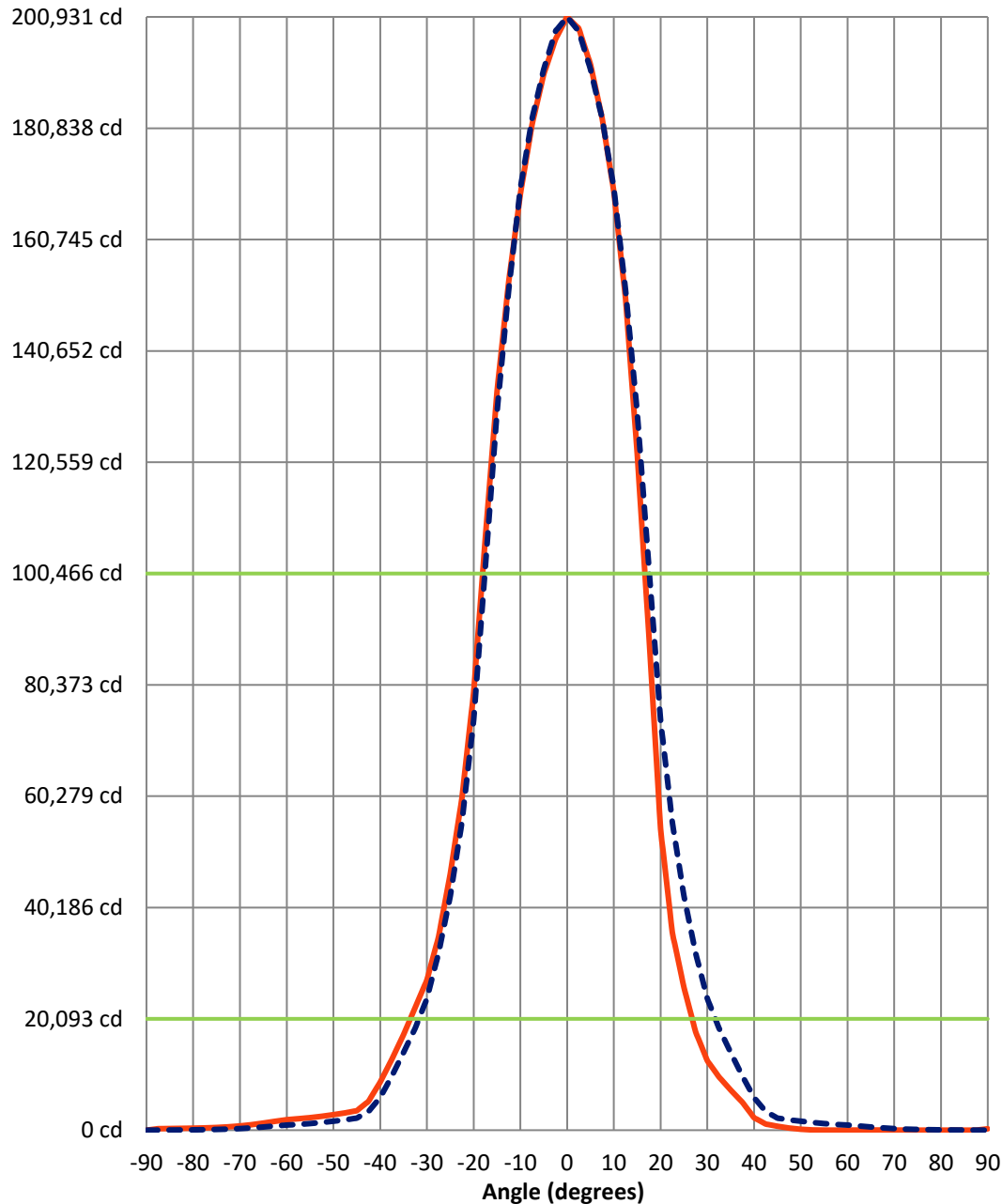
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 35.2°  
 V Angle: 34.7°  
 Lumens: 44736.6  
 Efficiency: 53.7%

**Field:**  
 H Angle: 63.4°  
 V Angle: 60.3°  
 Lumens: 72799.9  
 Efficiency: 87.3%

**Spill:**  
 Lumens: 10550.5  
 Efficiency: 12.7%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.9	16.9	24.9	40.8	56.7	71.1	85.5	96.9	108.3	115.8	123.3
87.5°	8.9	8.1	7.2	7.2	7.3	7.3	7.3	6.8	6.3	6.4	6.4
85°	8.9	8.3	7.3	7.5	7.7	7.6	7.5	7.1	6.7	6.8	6.8
82.5°	8.9	8.5	7.5	7.7	8.0	8.0	7.8	7.4	7.1	7.2	7.3
80°	8.9	8.7	7.7	8.0	8.3	8.3	8.1	7.9	7.7	7.8	7.7
77.5°	8.9	8.8	7.9	8.2	8.6	8.6	8.6	8.5	8.4	8.4	8.1
75°	8.9	9.0	8.1	8.5	9.0	9.1	9.1	9.1	9.1	8.7	8.2
72.5°	8.9	9.2	8.3	8.7	9.3	9.5	9.6	9.7	9.5	9.1	8.4
70°	8.9	9.4	8.6	9.0	9.7	10.0	10.2	10.2	10.0	9.4	9.1
67.5°	8.9	9.6	8.8	9.4	10.1	10.4	10.8	10.8	10.5	10.3	10.0
65°	8.9	9.8	9.1	9.8	10.5	11.0	11.6	11.4	11.7	11.1	11.3
62.5°	8.9	10.0	9.4	10.2	11.0	11.9	12.4	12.7	13.1	12.4	13.4
60°	8.9	10.2	9.7	10.6	11.4	12.9	13.4	14.4	14.7	15.7	16.0
57.5°	8.9	10.4	10.2	11.0	12.4	13.9	15.2	16.4	18.3	19.5	21.7
55°	8.9	10.6	10.8	11.4	13.6	15.0	17.3	18.5	22.6	24.7	29.1
52.5°	8.9	10.8	11.4	11.9	14.7	16.2	19.5	22.9	27.4	33.3	37.2
50°	8.9	11.0	12.1	12.3	15.9	18.5	21.8	27.7	33.5	42.5	48.1
47.5°	8.9	11.2	12.8	12.9	17.2	20.8	24.5	32.8	42.6	52.4	60.6
45°	8.9	11.4	13.5	13.9	18.5	23.3	29.0	38.0	52.3	64.6	73.8
42.5°	8.9	11.7	14.3	14.9	19.9	25.8	33.6	45.4	62.3	77.3	95.2
40°	8.9	11.9	15.0	16.4	21.7	28.5	38.5	54.4	73.4	90.7	119.9
37.5°	8.9	12.1	15.8	18.2	23.8	31.2	43.6	63.6	86.2	108.2	146.8
35°	8.9	12.3	16.7	19.9	25.9	34.9	48.7	73.0	99.5	133.0	179.2
32.5°	8.9	12.5	17.6	21.7	28.0	39.0	54.6	82.3	113.3	158.4	216.3
30°	8.9	12.7	18.4	23.5	30.1	43.0	62.2	92.0	127.5	184.3	251.6
27.5°	8.9	12.9	19.3	25.3	33.0	46.9	69.6	102.4	143.1	210.6	285.1
25°	8.9	13.2	20.2	27.1	36.0	50.8	76.7	112.4	161.1	238.0	316.9
22.5°	8.9	13.4	21.2	28.9	38.8	54.8	83.6	121.9	178.0	259.2	349.5
20°	8.9	13.6	22.1	30.7	41.6	59.3	90.3	130.9	193.6	279.0	375.8
17.5°	8.9	13.7	23.0	32.5	44.3	63.7	97.1	139.3	208.0	297.4	400.5
15°	8.9	13.9	23.9	34.2	47.0	68.0	103.9	147.7	221.1	314.3	423.6
12.5°	8.9	14.1	24.8	36.0	49.5	72.1	110.3	156.2	234.3	329.6	445.1
10°	8.9	14.3	25.7	37.6	51.9	76.0	116.2	164.2	247.3	349.3	468.8
7.5°	8.9	14.5	26.5	39.2	54.3	79.7	121.7	171.6	259.1	368.8	499.1
5°	8.9	14.6	27.3	40.8	56.5	83.2	126.7	178.4	269.6	386.8	527.6
2.5°	8.9	14.8	28.1	42.3	58.6	86.5	131.2	184.5	278.7	403.2	553.9
0°	8.9	14.9	28.8	43.7	60.6	89.5	135.2	189.9	286.3	417.5	577.5
-2.5°	8.9	15.4	29.9	45.6	63.4	93.1	139.9	196.4	296.4	429.3	589.3
-5°	8.9	16.0	31.0	47.3	66.1	96.4	144.0	202.1	304.7	438.6	597.9
-7.5°	8.9	16.5	31.9	49.0	68.6	99.4	147.5	206.9	311.2	445.4	603.4
-10°	8.9	17.0	32.9	50.6	71.0	102.1	150.4	210.8	315.7	449.8	605.7
-12.5°	8.9	17.4	33.7	52.0	73.2	104.5	152.7	213.7	318.1	451.4	608.4
-15°	8.9	17.9	34.6	53.3	75.1	106.6	154.3	215.6	317.7	449.4	608.3
-17.5°	8.9	18.3	35.3	54.5	76.9	108.3	155.4	216.9	314.6	444.4	603.2
-20°	8.9	18.7	36.0	55.6	78.5	109.7	156.1	217.5	309.6	436.4	592.8



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.9	19.1	36.6	56.6	79.8	110.7	156.9	217.2	302.7	425.2	577.3
-25°	8.9	19.4	37.1	57.4	80.9	112.0	156.9	215.9	294.0	410.9	561.2
-27.5°	8.9	19.7	37.5	58.0	81.8	113.2	156.3	213.7	283.3	398.6	547.4
-30°	8.9	20.0	37.9	58.5	82.5	114.0	154.9	210.6	277.0	387.3	529.3
-32.5°	8.9	20.3	38.2	58.9	83.6	114.4	152.8	207.8	273.3	373.0	506.7
-35°	8.9	20.5	38.4	59.1	84.4	114.3	152.0	204.7	268.1	355.6	479.4
-37.5°	8.9	20.7	38.6	59.2	85.1	114.4	151.5	200.5	261.3	335.3	453.4
-40°	8.9	20.8	38.7	59.1	85.5	114.9	150.6	195.3	253.0	322.2	428.0
-42.5°	8.9	20.9	38.7	59.1	85.7	115.1	148.9	188.9	245.0	311.4	399.5
-45°	8.9	21.0	38.6	59.2	85.9	114.9	146.7	183.5	236.4	298.6	370.6
-47.5°	8.9	21.1	38.4	59.1	85.8	114.5	144.0	180.3	226.5	283.9	353.7
-50°	8.9	21.1	38.2	59.1	85.5	113.8	142.5	176.5	215.1	270.7	334.5
-52.5°	8.9	21.0	37.9	59.0	84.9	112.7	141.0	172.1	207.6	255.9	312.3
-55°	8.9	21.0	37.5	58.8	84.1	111.4	139.1	167.5	201.4	239.5	291.1
-57.5°	8.9	20.9	37.0	58.4	83.0	109.7	136.9	164.8	194.4	229.1	268.4
-60°	8.9	20.8	36.5	57.8	81.7	107.7	134.3	161.3	187.3	219.9	248.1
-62.5°	8.9	20.6	35.9	57.1	80.6	105.4	131.3	157.3	182.3	209.2	235.3
-65°	8.9	20.4	35.3	56.2	79.2	102.8	127.9	152.8	176.8	200.6	221.9
-67.5°	8.9	20.2	34.6	55.2	77.7	100.2	124.2	147.8	170.7	192.4	211.3
-70°	8.9	19.9	33.8	54.1	75.9	97.5	120.1	142.4	164.3	183.9	201.7
-72.5°	8.9	19.6	32.9	52.8	74.0	94.5	116.0	136.7	157.5	175.4	191.7
-75°	8.9	19.3	31.9	51.4	71.9	91.3	111.6	130.9	150.4	166.5	181.5
-77.5°	8.9	18.9	30.9	49.9	69.7	87.8	106.8	124.7	142.9	157.3	171.0
-80°	8.9	18.6	29.8	48.3	67.4	84.6	101.8	118.3	135.1	148.0	160.4
-82.5°	8.9	18.2	28.6	46.6	64.9	81.4	97.9	112.3	127.0	138.4	149.6
-85°	8.9	17.8	27.4	44.8	62.3	78.1	93.9	107.4	120.9	130.4	139.8
-87.5°	8.9	17.3	26.2	42.8	59.6	74.7	89.8	102.2	114.7	123.1	131.6
-90°	8.9	8.0	7.0	7.0	7.0	7.0	7.0	6.5	6.0	6.0	6.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	128.8	134.2	139.2	144.1	150.1	156.1	162.1	168.0	174.5	180.9	187.4
87.5°	6.0	5.5	5.5	5.6	5.1	4.6	4.3	4.0	4.0	4.0	3.9
85°	6.4	6.0	6.0	6.0	5.6	5.3	4.9	4.4	4.5	4.5	4.3
82.5°	6.9	6.5	6.3	6.0	5.9	5.9	5.6	5.2	5.1	5.0	4.7
80°	7.4	7.1	6.6	6.3	6.2	6.0	5.9	5.8	5.6	5.1	5.1
77.5°	7.6	7.1	6.9	6.9	6.6	6.1	6.0	6.0	5.9	5.8	5.6
75°	7.7	7.2	7.1	7.1	6.7	6.2	6.0	6.2	6.3	6.1	5.9
72.5°	8.0	7.8	7.5	7.2	7.0	6.7	6.7	6.9	7.5	8.0	8.4
70°	8.9	8.5	8.2	8.0	7.6	7.6	8.4	10.1	11.7	12.4	14.0
67.5°	9.8	9.5	9.3	9.0	9.1	9.8	11.0	14.6	17.9	20.1	22.5
65°	10.8	10.6	10.6	10.8	10.9	14.0	17.3	20.9	26.5	29.6	29.7
62.5°	12.1	13.6	13.0	13.9	16.7	20.0	25.0	31.5	38.6	41.4	39.6
60°	17.2	18.0	18.3	20.5	23.3	26.8	33.8	41.7	49.9	54.8	47.4
57.5°	23.7	24.7	26.6	27.9	31.0	33.0	41.2	50.8	56.2	59.3	51.0
55°	31.8	33.4	36.1	36.7	39.3	40.1	47.0	53.6	58.1	59.1	50.1
52.5°	42.1	43.9	47.8	48.5	48.6	49.4	50.4	57.7	61.3	60.3	52.0
50°	53.2	59.4	61.5	63.8	60.8	62.1	58.7	67.2	74.3	72.4	74.9
47.5°	69.6	77.4	80.4	84.6	82.4	89.2	86.7	102.8	108.4	140.5	147.7
45°	89.4	103.0	107.2	116.6	126.3	134.2	160.1	162.2	229.9	258.2	311.5
42.5°	113.1	134.4	151.7	155.2	201.5	226.0	262.0	321.2	380.6	435.1	471.3
40°	148.3	170.4	207.5	250.8	299.9	352.8	400.7	469.5	527.1	569.9	595.5
37.5°	188.4	230.4	281.0	359.2	425.4	479.3	533.9	593.3	647.5	685.1	734.1
35°	232.3	293.6	387.5	468.8	539.9	590.7	643.9	706.9	758.1	818.8	879.3
32.5°	285.7	358.1	475.9	563.7	621.5	681.6	743.0	809.3	882.6	957.4	1034.8
30°	338.5	430.8	545.9	637.2	693.1	763.1	837.7	915.4	1011.6	1105.8	1210.5
27.5°	380.0	493.2	602.6	697.0	762.1	845.0	936.1	1037.5	1151.7	1267.0	1406.1
25°	417.1	539.6	659.8	759.8	842.6	934.5	1041.5	1163.2	1299.2	1461.3	1898.6
22.5°	453.3	584.7	723.0	827.2	920.2	1024.0	1153.1	1295.1	1455.2	1670.6	2444.0
20°	490.5	635.9	783.5	883.2	991.0	1107.4	1258.7	1423.5	1621.9	2130.6	3271.6
17.5°	528.6	688.8	835.0	932.3	1045.9	1187.9	1363.7	1549.6	1791.5	2561.4	4308.0
15°	565.9	738.5	876.2	975.8	1101.1	1266.2	1462.7	1690.4	2091.7	3162.7	5346.3
12.5°	601.5	783.2	906.9	1013.2	1155.6	1340.1	1554.4	1810.0	2444.4	3974.1	6479.0
10°	635.0	822.8	933.6	1048.9	1208.7	1409.5	1636.7	1915.3	2752.4	4622.5	7375.7
7.5°	671.3	856.8	957.7	1082.9	1257.7	1473.0	1704.4	1996.3	2981.9	5119.7	8041.8
5°	704.2	884.3	985.6	1122.5	1306.4	1530.3	1762.3	2064.2	3138.6	5434.8	8504.1
2.5°	732.9	906.3	1011.5	1160.2	1352.1	1580.5	1814.8	2132.2	3278.3	5701.3	9089.0
0°	757.4	923.4	1034.8	1193.8	1391.6	1622.3	1857.8	2186.9	3371.7	5880.7	9767.3
-2.5°	772.4	949.0	1073.6	1229.1	1424.2	1651.9	1896.7	2245.4	3466.4	6268.5	10025.7
-5°	783.2	969.8	1108.4	1260.0	1450.6	1673.6	1925.1	2286.8	3507.1	6375.1	9950.4
-7.5°	789.5	984.8	1138.2	1287.0	1474.3	1698.7	1970.0	2342.2	3525.5	6112.2	9524.0
-10°	792.8	997.4	1157.7	1309.3	1496.1	1721.8	2004.9	2377.9	3449.8	5757.5	9033.4
-12.5°	801.3	1008.2	1173.2	1325.8	1510.7	1738.4	2032.1	2404.8	3277.3	5270.1	8359.2
-15°	803.5	1013.7	1186.2	1337.2	1525.8	1762.8	2052.7	2409.4	3028.2	4640.2	7498.2
-17.5°	799.0	1014.0	1195.3	1346.1	1533.5	1772.1	2059.3	2396.2	2842.1	4182.5	6632.0
-20°	787.4	1002.1	1198.1	1346.9	1530.6	1775.9	2062.5	2390.5	2796.7	3714.6	5581.6



REPORT NUMBER: P735965 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	768.5	983.3	1188.4	1345.5	1540.5	1777.5	2053.0	2355.1	2698.2	3150.1	4535.9
-25°	748.3	956.8	1163.2	1350.3	1542.4	1769.3	2012.8	2290.2	2607.0	2960.5	3789.8
-27.5°	726.4	925.7	1137.3	1344.3	1533.0	1738.3	1964.5	2224.5	2485.4	2770.8	3124.1
-30°	699.9	892.0	1102.7	1322.5	1510.8	1702.5	1911.1	2121.3	2355.2	2612.1	2911.3
-32.5°	668.1	852.3	1059.8	1276.9	1481.3	1661.0	1835.4	2024.2	2232.9	2459.5	2706.9
-35°	633.7	812.1	1009.4	1221.5	1445.4	1610.4	1762.0	1925.2	2110.1	2317.1	2546.9
-37.5°	598.7	765.7	950.3	1157.1	1374.9	1547.6	1684.2	1836.5	1999.2	2176.5	2390.3
-40°	559.1	712.2	888.8	1084.1	1277.3	1463.9	1614.0	1752.1	1895.1	2057.3	2231.9
-42.5°	516.3	660.2	821.4	998.4	1173.8	1351.7	1539.7	1675.4	1803.4	1941.1	2094.1
-45°	480.6	602.7	748.5	906.0	1064.1	1236.4	1417.8	1599.2	1716.0	1835.2	1965.6
-47.5°	439.3	544.4	677.7	809.0	954.8	1117.3	1289.1	1457.4	1623.3	1739.2	1849.0
-50°	399.8	495.0	596.9	717.6	847.6	997.6	1155.0	1308.9	1464.4	1621.5	1746.6
-52.5°	372.7	442.2	530.5	625.9	746.1	878.7	1016.7	1153.8	1299.8	1449.7	1594.0
-55°	343.4	402.9	465.9	546.9	645.9	764.0	878.8	1001.6	1127.1	1265.3	1405.8
-57.5°	315.5	364.8	414.2	475.8	559.1	649.3	750.0	850.8	964.6	1080.3	1200.6
-60°	287.9	328.4	370.3	419.4	476.8	552.9	625.8	713.6	808.1	903.2	1010.2
-62.5°	261.5	294.5	329.4	370.9	418.8	463.7	523.9	592.1	660.2	744.5	831.2
-65°	245.9	264.3	291.8	327.7	365.1	404.8	443.9	485.6	544.9	607.8	669.4
-67.5°	229.4	246.3	263.5	285.7	318.4	349.4	380.8	417.5	455.3	496.0	540.9
-70°	217.0	228.8	244.0	261.5	278.5	297.3	325.3	354.5	383.6	415.3	450.5
-72.5°	205.3	216.3	227.7	240.0	254.9	269.3	284.0	299.8	322.7	350.6	376.7
-75°	193.5	203.7	214.1	224.8	236.0	246.9	258.5	272.7	288.5	305.6	321.5
-77.5°	181.5	190.9	200.4	209.7	219.9	230.4	240.4	250.6	262.9	276.1	288.7
-80°	169.6	178.0	186.8	195.5	204.4	213.5	222.4	230.9	241.6	252.9	264.1
-82.5°	158.1	166.0	173.6	181.1	188.9	196.5	204.4	212.4	222.1	232.1	241.6
-85°	146.9	153.9	160.2	166.6	173.8	180.8	187.6	194.3	203.2	212.2	220.4
-87.5°	137.9	144.1	149.5	154.9	161.2	167.5	173.4	179.2	186.8	194.5	201.5
-90°	5.5	5.0	5.0	5.0	4.5	4.0	4.0	4.0	4.0	4.0	3.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	193.8	198.3	202.8	205.8	208.7	213.2	217.7	224.2	230.6	236.1	241.5
87.5°	3.8	3.4	3.0	2.9	2.9	2.9	2.9	2.5	2.0	2.0	2.0
85°	4.0	3.8	3.7	3.8	3.8	3.4	3.0	3.0	2.9	3.0	3.0
82.5°	4.5	4.3	4.0	4.0	4.0	3.9	3.8	3.5	3.0	3.0	3.0
80°	5.0	4.7	4.5	4.3	4.0	4.0	4.0	3.6	3.0	3.0	3.0
77.5°	5.2	5.1	5.0	4.6	4.1	4.0	4.0	3.6	3.1	3.0	3.0
75°	5.9	5.8	5.7	5.6	5.4	5.6	5.9	5.8	5.5	5.2	4.9
72.5°	8.9	9.0	8.8	9.3	9.9	10.3	10.5	10.8	11.2	12.0	12.8
70°	15.8	17.1	17.1	17.1	17.0	16.5	16.0	15.8	15.9	16.2	16.5
67.5°	23.9	24.9	25.3	25.5	23.3	21.8	21.2	21.3	22.2	24.0	26.5
65°	30.4	28.6	26.9	25.3	25.4	25.3	24.1	23.6	24.4	25.5	26.7
62.5°	36.2	28.8	24.0	21.7	22.1	22.9	20.7	19.0	18.4	18.1	18.2
60°	38.9	27.1	19.1	16.2	14.5	13.6	12.2	10.4	9.9	9.7	9.9
57.5°	39.3	25.8	15.2	12.0	9.2	7.1	6.0	5.2	5.2	5.1	4.9
55°	38.1	26.1	14.7	13.5	12.4	11.3	9.8	9.6	9.1	9.0	9.5
52.5°	39.5	36.6	29.9	29.0	35.4	35.6	30.7	37.7	42.5	46.2	48.0
50°	78.0	74.9	94.7	94.6	114.6	131.8	126.8	136.8	154.1	169.1	178.3
47.5°	182.2	196.6	226.2	252.8	282.8	320.7	337.5	349.4	364.5	384.8	398.4
45°	339.5	375.0	413.5	456.5	506.7	551.1	576.9	601.8	618.3	636.3	657.6
42.5°	504.1	546.5	603.5	654.9	709.2	761.1	802.0	838.0	908.2	1008.4	1088.1
40°	645.0	693.2	759.4	828.0	892.0	957.6	1138.1	1291.9	1483.6	1769.8	2023.4
37.5°	784.9	840.6	914.5	998.5	1191.6	1387.1	1781.4	2207.2	2576.2	2990.0	3407.8
35°	937.4	1010.6	1109.4	1392.1	1749.5	2270.6	2835.9	3468.4	4005.3	4583.1	5429.5
32.5°	1117.4	1245.2	1564.8	2078.7	2719.5	3459.8	4161.1	4956.1	5626.6	6688.1	7980.8
30°	1349.5	1750.4	2363.7	3073.3	3938.1	4875.1	5754.3	7042.0	8546.4	9878.3	10978.1
27.5°	1909.3	2683.6	3540.0	4439.1	5522.1	6657.5	8501.0	10167.7	11786.4	13224.4	14895.1
25°	2745.2	3987.4	5450.9	6656.4	8128.0	10179.9	12264.5	14100.0	16560.2	18724.0	21151.2
22.5°	3927.5	5696.3	7581.4	9341.4	11601.4	14171.3	16975.9	20358.0	23775.6	27571.8	30949.1
20°	5081.5	7319.3	9706.7	12240.4	15134.7	18347.8	22932.4	28421.3	33687.5	39668.4	44711.6
17.5°	6618.2	9323.5	12146.9	15367.6	19088.7	24032.0	30799.0	38304.2	46447.9	55378.8	63637.6
15°	8180.9	11095.4	14376.0	18498.2	23761.5	30479.9	39113.0	49330.0	61239.3	74368.2	90329.4
12.5°	9461.6	12648.5	16484.7	21679.5	28563.5	37548.2	48007.9	60306.7	76634.1	96436.0	114979.9
10°	10555.8	14377.1	19224.7	25372.7	33469.9	43612.9	55495.0	70721.8	92715.7	115655.4	136005.6
7.5°	11683.0	16203.7	21337.5	28003.3	37209.9	48723.1	63354.6	83238.8	107437.8	130966.4	149628.5
5°	12746.0	17449.1	22670.6	29792.4	39748.4	52113.6	68714.8	92933.8	119267.5	142312.2	159845.2
2.5°	13578.8	18075.6	23372.6	31124.7	41120.8	53956.3	72074.9	98928.9	126553.0	149264.6	167243.3
0°	14010.8	18415.3	23762.2	31957.9	42259.0	55647.6	74001.2	101574.5	129516.6	151633.6	169958.5
-2.5°	13915.2	18251.3	23521.0	31314.9	41998.9	55953.5	75603.0	102953.3	130027.0	152441.7	169711.8
-5°	13714.1	17993.0	23189.9	30524.7	41067.4	55184.3	73863.8	99008.8	125156.0	148148.4	164937.8
-7.5°	13339.4	17560.5	22529.6	29368.9	39523.6	52891.8	69748.2	91598.3	116682.1	139718.8	155972.3
-10°	12788.1	16892.3	21581.9	27802.1	36921.9	49200.3	63531.2	80594.6	104059.5	125597.5	143657.2
-12.5°	12004.6	15947.0	20267.2	25612.3	33779.6	44600.2	56954.8	71132.4	87903.0	108674.9	125603.1
-15°	11007.6	14715.3	18729.7	23773.0	30602.1	39468.0	49884.5	60883.0	73737.2	88075.6	104576.1
-17.5°	9783.9	13266.8	17005.1	21353.0	26875.9	34314.5	42554.4	51136.4	60414.7	70966.4	80660.5
-20°	8324.8	11510.5	15033.5	19077.6	23810.0	29182.9	35172.8	42110.7	49302.5	56833.5	63496.7



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6843.2	9749.3	13106.3	16642.5	20755.8	24856.9	28880.1	34038.6	39592.5	45044.7	50004.2
-25°	5354.4	7920.0	11041.3	14358.0	17659.4	21009.3	24275.8	27479.1	31475.6	34985.0	38625.2
-27.5°	4252.9	6172.1	8793.0	11687.5	14564.3	17359.5	20183.7	22859.4	25379.8	27499.1	29953.4
-30°	3344.7	4640.1	6664.8	8942.4	11459.6	13922.5	16356.2	18616.4	20601.2	22346.2	24050.5
-32.5°	3024.0	3553.0	4756.2	6487.0	8472.8	10633.6	12667.8	14609.2	16245.5	17867.2	19394.2
-35°	2797.3	3088.6	3481.9	4563.2	5856.4	7575.9	9170.5	10781.8	12155.9	13775.5	15027.8
-37.5°	2611.5	2835.9	3084.6	3339.6	4126.0	4987.0	6135.0	7342.8	8404.4	9763.0	10868.7
-40°	2431.7	2630.3	2824.7	3018.6	3227.7	3419.8	4103.2	4726.0	5446.1	6375.5	7170.7
-42.5°	2257.8	2432.7	2601.0	2758.6	2904.7	3030.9	3168.4	3300.2	3689.1	4162.8	4526.6
-45°	2101.7	2250.4	2391.3	2524.5	2635.9	2736.9	2842.8	2953.1	3097.7	3229.1	3337.6
-47.5°	1969.0	2086.6	2202.0	2310.6	2396.1	2482.3	2566.6	2661.8	2774.4	2884.7	2977.0
-50°	1849.0	1950.7	2038.3	2115.3	2186.3	2259.2	2326.4	2411.0	2501.6	2592.9	2669.2
-52.5°	1734.0	1824.5	1897.7	1956.3	2010.4	2069.9	2127.7	2195.1	2268.7	2345.5	2406.1
-55°	1540.8	1655.8	1762.2	1817.1	1859.6	1908.6	1957.6	2012.2	2074.3	2138.8	2186.9
-57.5°	1327.2	1440.8	1541.0	1612.3	1682.7	1754.7	1808.6	1851.3	1907.5	1962.5	2004.1
-60°	1112.8	1208.0	1296.5	1368.6	1442.1	1514.1	1574.7	1630.4	1699.9	1763.1	1814.4
-62.5°	913.2	996.5	1064.8	1123.1	1185.7	1248.4	1306.1	1361.1	1424.2	1480.9	1529.0
-65°	731.8	801.7	852.1	898.0	947.8	999.7	1045.4	1091.0	1141.7	1187.1	1226.5
-67.5°	591.7	638.0	669.5	698.7	738.2	778.6	814.4	850.7	889.4	923.8	953.7
-70°	484.4	513.3	532.7	555.1	583.2	609.0	632.6	659.1	687.7	714.0	737.8
-72.5°	401.6	421.4	435.9	453.8	471.7	488.1	502.9	522.0	542.8	563.1	582.4
-75°	336.4	349.2	363.2	376.1	388.3	400.2	411.1	426.4	442.4	457.7	472.4
-77.5°	301.9	311.4	319.2	326.4	333.0	340.7	348.3	361.2	375.3	387.0	398.1
-80°	275.0	282.5	289.0	294.4	299.5	305.7	312.1	322.7	333.7	343.6	353.3
-82.5°	251.0	257.4	263.3	268.4	273.2	278.6	284.0	293.2	302.7	311.2	319.4
-85°	228.6	234.1	239.4	243.9	248.3	253.3	258.2	266.2	274.3	281.9	289.3
-87.5°	208.4	213.4	218.3	221.6	224.9	229.7	234.5	241.7	248.8	255.4	262.1
-90°	3.0	3.0	3.0	2.5	2.0	2.0	2.0	2.0	2.0	1.5	1.0



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	244.5	247.5	248.0	248.5	248.0	247.5	244.5	241.5	236.1	230.6	224.2
87.5°	1.5	1.0	1.5	2.0	1.5	1.0	1.5	2.0	2.0	2.0	2.5
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	3.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.6
77.5°	2.6	2.0	2.5	3.0	2.5	2.0	2.6	3.0	3.0	3.1	3.6
75°	4.4	4.0	3.5	3.0	3.5	4.0	4.4	4.9	5.2	5.5	5.8
72.5°	13.3	13.6	14.3	14.9	14.3	13.6	13.3	12.8	12.0	11.2	10.8
70°	15.9	15.0	14.9	14.9	14.9	15.0	15.9	16.5	16.2	15.9	15.8
67.5°	28.5	30.1	30.7	30.8	30.7	30.1	28.5	26.5	24.0	22.2	21.3
65°	27.7	28.7	28.8	28.8	28.8	28.7	27.7	26.7	25.5	24.4	23.6
62.5°	18.5	19.1	19.4	19.9	19.4	19.1	18.5	18.2	18.1	18.4	19.0
60°	10.3	11.0	11.4	11.9	11.4	11.0	10.3	9.9	9.7	9.9	10.4
57.5°	4.9	5.1	5.5	6.0	5.5	5.1	4.9	4.9	5.1	5.2	5.2
55°	10.0	10.5	10.8	10.9	10.8	10.5	10.0	9.5	9.0	9.1	9.6
52.5°	47.1	44.9	43.0	41.7	43.0	44.9	47.1	48.0	46.2	42.5	37.7
50°	182.1	177.7	172.7	168.0	172.7	177.7	182.1	178.3	169.1	154.1	136.8
47.5°	406.4	402.8	395.4	385.7	395.4	402.8	406.4	398.4	384.8	364.5	349.4
45°	686.8	706.7	715.6	710.7	715.6	706.7	686.8	657.6	636.3	618.3	601.8
42.5°	1115.2	1132.7	1134.3	1108.3	1134.3	1132.7	1115.2	1088.1	1008.4	908.2	838.0
40°	2206.9	2359.8	2412.3	2254.5	2412.3	2359.8	2206.9	2023.4	1769.8	1483.6	1291.9
37.5°	3911.4	4512.3	5013.4	5032.8	5013.4	4512.3	3911.4	3407.8	2990.0	2576.2	2207.2
35°	6339.1	6957.3	7256.2	7243.5	7256.2	6957.3	6339.1	5429.5	4583.1	4005.3	3468.4
32.5°	8909.7	9378.0	9677.4	9605.3	9677.4	9378.0	8909.7	7980.8	6688.1	5626.6	4956.1
30°	11763.5	12198.0	12546.9	12541.6	12546.9	12198.0	11763.5	10978.1	9878.3	8546.4	7042.0
27.5°	16255.0	17150.4	17862.0	17741.4	17862.0	17150.4	16255.0	14895.1	13224.4	11786.4	10167.7
25°	23198.7	24836.5	25994.5	25756.2	25994.5	24836.5	23198.7	21151.2	18724.0	16560.2	14100.0
22.5°	33456.3	35557.4	36435.9	35739.2	36435.9	35557.4	33456.3	30949.1	27571.8	23775.6	20358.0
20°	49516.1	53411.5	55833.3	54389.1	55833.3	53411.5	49516.1	44711.6	39668.4	33687.5	28421.3
17.5°	74326.7	82777.4	89454.5	89270.5	89454.5	82777.4	74326.7	63637.6	55378.8	46447.9	38304.2
15°	104226.0	113844.5	121250.8	122107.1	121250.8	113844.5	104226.0	90329.4	74368.2	61239.3	49330.0
12.5°	130997.6	140779.7	148027.4	150112.9	148027.4	140779.7	130997.6	114979.9	96436.0	76634.1	60306.7
10°	150077.6	159839.5	166854.6	169328.3	166854.6	159839.5	150077.6	136005.6	115655.4	92715.7	70721.8
7.5°	164074.5	174665.3	179923.8	182611.5	179923.8	174665.3	164074.5	149628.5	130966.4	107437.8	83238.8
5°	174146.2	183989.0	189076.1	192333.1	189076.1	183989.0	174146.2	159845.2	142312.2	119267.5	92933.8
2.5°	180495.2	189787.7	195896.8	198818.1	195896.8	189787.7	180495.2	167243.3	149264.6	126553.0	98928.9
0°	182544.4	191465.3	198312.6	200931.4	198312.6	191465.3	182544.4	169958.5	151633.6	129516.6	101574.5
-2.5°	181591.3	190330.0	195791.2	196849.9	195791.2	190330.0	181591.3	169711.8	152441.7	130027.0	102953.3
-5°	176631.0	184685.2	189728.1	190556.7	189728.1	184685.2	176631.0	164937.8	148148.4	125156.0	99008.8
-7.5°	168079.6	176114.0	180282.3	181509.6	180282.3	176114.0	168079.6	155972.3	139718.8	116682.1	91598.3
-10°	155680.9	163443.1	167898.0	168954.6	167898.0	163443.1	155680.9	143657.2	125597.5	104059.5	80594.6
-12.5°	138762.6	147043.3	152029.2	153127.7	152029.2	147043.3	138762.6	125603.1	108674.9	87903.0	71132.4
-15°	116824.6	125342.3	131707.3	133247.2	131707.3	125342.3	116824.6	104576.1	88075.6	73737.2	60883.0
-17.5°	91536.5	100060.2	105779.8	106871.7	105779.8	100060.2	91536.5	80660.5	70966.4	60414.7	51136.4
-20°	69756.9	75238.7	78466.8	79029.0	78466.8	75238.7	69756.9	63496.7	56833.5	49302.5	42110.7



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	54057.4	57741.8	59707.1	59984.5	59707.1	57741.8	54057.4	50004.2	45044.7	39592.5	34038.6
-25°	41889.3	44566.3	46030.2	46273.9	46030.2	44566.3	41889.3	38625.2	34985.0	31475.6	27479.1
-27.5°	32163.7	33826.7	35188.8	34905.2	35188.8	33826.7	32163.7	29953.4	27499.1	25379.8	22859.4
-30°	25450.8	26517.3	27321.9	27111.1	27321.9	26517.3	25450.8	24050.5	22346.2	20601.2	18616.4
-32.5°	20599.0	21434.6	22000.2	22150.9	22000.2	21434.6	20599.0	19394.2	17867.2	16245.5	14609.2
-35°	16010.5	16693.3	17085.2	17237.4	17085.2	16693.3	16010.5	15027.8	13775.5	12155.9	10781.8
-37.5°	11689.3	12288.2	12662.1	12792.1	12662.1	12288.2	11689.3	10868.7	9763.0	8404.4	7342.8
-40°	7779.5	8241.0	8547.3	8665.9	8547.3	8241.0	7779.5	7170.7	6375.5	5446.1	4726.0
-42.5°	4810.1	5026.1	5162.8	5205.7	5162.8	5026.1	4810.1	4526.6	4162.8	3689.1	3300.2
-45°	3421.5	3481.1	3515.3	3521.8	3515.3	3481.1	3421.5	3337.6	3229.1	3097.7	2953.1
-47.5°	3049.1	3096.1	3120.2	3121.2	3120.2	3096.1	3049.1	2977.0	2884.7	2774.4	2661.8
-50°	2732.2	2775.7	2797.7	2799.2	2797.7	2775.7	2732.2	2669.2	2592.9	2501.6	2411.0
-52.5°	2455.8	2490.5	2506.6	2506.9	2506.6	2490.5	2455.8	2406.1	2345.5	2268.7	2195.1
-55°	2226.4	2253.4	2263.4	2261.4	2263.4	2253.4	2226.4	2186.9	2138.8	2074.3	2012.2
-57.5°	2038.7	2065.1	2073.4	2070.6	2073.4	2065.1	2038.7	2004.1	1962.5	1907.5	1851.3
-60°	1854.5	1882.8	1893.5	1892.6	1893.5	1882.8	1854.5	1814.4	1763.1	1699.9	1630.4
-62.5°	1563.4	1585.1	1596.8	1600.4	1596.8	1585.1	1563.4	1529.0	1480.9	1424.2	1361.1
-65°	1253.7	1271.0	1280.4	1283.3	1280.4	1271.0	1253.7	1226.5	1187.1	1141.7	1091.0
-67.5°	973.1	985.5	991.5	993.0	991.5	985.5	973.1	953.7	923.8	889.4	850.7
-70°	752.6	762.8	767.6	769.4	767.6	762.8	752.6	737.8	714.0	687.7	659.1
-72.5°	593.6	601.7	605.1	606.4	605.1	601.7	593.6	582.4	563.1	542.8	522.0
-75°	479.3	484.2	486.1	487.1	486.1	484.2	479.3	472.4	457.7	442.4	426.4
-77.5°	404.2	409.4	411.2	412.5	411.2	409.4	404.2	398.1	387.0	375.3	361.2
-80°	357.6	361.2	362.7	363.8	362.7	361.2	357.6	353.3	343.6	333.7	322.7
-82.5°	324.6	329.5	329.9	330.0	329.9	329.5	324.6	319.4	311.2	302.7	293.2
-85°	293.2	297.0	297.6	298.2	297.6	297.0	293.2	289.3	281.9	274.3	266.2
-87.5°	265.7	269.3	269.4	269.4	269.4	269.3	265.7	262.1	255.4	248.8	241.7
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	217.7	213.2	208.7	205.8	202.8	198.3	193.8	187.4	180.9	174.5	168.0
87.5°	2.9	2.9	2.9	2.9	3.0	3.4	3.8	3.9	4.0	4.0	4.0
85°	3.0	3.4	3.8	3.8	3.7	3.8	4.0	4.3	4.5	4.5	4.4
82.5°	3.8	3.9	4.0	4.0	4.0	4.3	4.5	4.7	5.0	5.1	5.2
80°	4.0	4.0	4.0	4.3	4.5	4.7	5.0	5.1	5.1	5.6	5.8
77.5°	4.0	4.0	4.1	4.6	5.0	5.1	5.2	5.6	5.8	5.9	6.0
75°	5.9	5.6	5.4	5.6	5.7	5.8	5.9	5.9	6.1	6.3	6.2
72.5°	10.5	10.3	9.9	9.3	8.8	9.0	8.9	8.4	8.0	7.5	6.9
70°	16.0	16.5	17.0	17.1	17.1	17.1	15.8	14.0	12.4	11.7	10.1
67.5°	21.2	21.8	23.3	25.5	25.3	24.9	23.9	22.5	20.1	17.9	14.6
65°	24.1	25.3	25.4	25.3	26.9	28.6	30.4	29.7	29.6	26.5	20.9
62.5°	20.7	22.9	22.1	21.7	24.0	28.8	36.2	39.6	41.4	38.6	31.5
60°	12.2	13.6	14.5	16.2	19.1	27.1	38.9	47.4	54.8	49.9	41.7
57.5°	6.0	7.1	9.2	12.0	15.2	25.8	39.3	51.0	59.3	56.2	50.8
55°	9.8	11.3	12.4	13.5	14.7	26.1	38.1	50.1	59.1	58.1	53.6
52.5°	30.7	35.6	35.4	29.0	29.9	36.6	39.5	52.0	60.3	61.3	57.7
50°	126.8	131.8	114.6	94.6	94.7	74.9	78.0	74.9	72.4	74.3	67.2
47.5°	337.5	320.7	282.8	252.8	226.2	196.6	182.2	147.7	140.5	108.4	102.8
45°	576.9	551.1	506.7	456.5	413.5	375.0	339.5	311.5	258.2	229.9	162.2
42.5°	802.0	761.1	709.2	654.9	603.5	546.5	504.1	471.3	435.1	380.6	321.2
40°	1138.1	957.6	892.0	828.0	759.4	693.2	645.0	595.5	569.9	527.1	469.5
37.5°	1781.4	1387.1	1191.6	998.5	914.5	840.6	784.9	734.1	685.1	647.5	593.3
35°	2835.9	2270.6	1749.5	1392.1	1109.4	1010.6	937.4	879.3	818.8	758.1	706.9
32.5°	4161.1	3459.8	2719.5	2078.7	1564.8	1245.2	1117.4	1034.8	957.4	882.6	809.3
30°	5754.3	4875.1	3938.1	3073.3	2363.7	1750.4	1349.5	1210.5	1105.8	1011.6	915.4
27.5°	8501.0	6657.5	5522.1	4439.1	3540.0	2683.6	1909.3	1406.1	1267.0	1151.7	1037.5
25°	12264.5	10179.9	8128.0	6656.4	5450.9	3987.4	2745.2	1898.6	1461.3	1299.2	1163.2
22.5°	16975.9	14171.3	11601.4	9341.4	7581.4	5696.3	3927.5	2444.0	1670.6	1455.2	1295.1
20°	22932.4	18347.8	15134.7	12240.4	9706.7	7319.3	5081.5	3271.6	2130.6	1621.9	1423.5
17.5°	30799.0	24032.0	19088.7	15367.6	12146.9	9323.5	6618.2	4308.0	2561.4	1791.5	1549.6
15°	39113.0	30479.9	23761.5	18498.2	14376.0	11095.4	8180.9	5346.3	3162.7	2091.7	1690.4
12.5°	48007.9	37548.2	28563.5	21679.5	16484.7	12648.5	9461.6	6479.0	3974.1	2444.4	1810.0
10°	55495.0	43612.9	33469.9	25372.7	19224.7	14377.1	10555.8	7375.7	4622.5	2752.4	1915.3
7.5°	63354.6	48723.1	37209.9	28003.3	21337.5	16203.7	11683.0	8041.8	5119.7	2981.9	1996.3
5°	68714.8	52113.6	39748.4	29792.4	22670.6	17449.1	12746.0	8504.1	5434.8	3138.6	2064.2
2.5°	72074.9	53956.3	41120.8	31124.7	23372.6	18075.6	13578.8	9089.0	5701.3	3278.3	2132.2
0°	74001.2	55647.6	42259.0	31957.9	23762.2	18415.3	14010.8	9767.3	5880.7	3371.7	2186.9
-2.5°	75603.0	55953.5	41998.9	31314.9	23521.0	18251.3	13915.2	10025.7	6268.5	3466.4	2245.4
-5°	73863.8	55184.3	41067.4	30524.7	23189.9	17993.0	13714.1	9950.4	6375.1	3507.1	2286.8
-7.5°	69748.2	52891.8	39523.6	29368.9	22529.6	17560.5	13339.4	9524.0	6112.2	3525.5	2342.2
-10°	63531.2	49200.3	36921.9	27802.1	21581.9	16892.3	12788.1	9033.4	5757.5	3449.8	2377.9
-12.5°	56954.8	44600.2	33779.6	25612.3	20267.2	15947.0	12004.6	8359.2	5270.1	3277.3	2404.8
-15°	49884.5	39468.0	30602.1	23773.0	18729.7	14715.3	11007.6	7498.2	4640.2	3028.2	2409.4
-17.5°	42554.4	34314.5	26875.9	21353.0	17005.1	13266.8	9783.9	6632.0	4182.5	2842.1	2396.2
-20°	35172.8	29182.9	23810.0	19077.6	15033.5	11510.5	8324.8	5581.6	3714.6	2796.7	2390.5



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-VHE

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	28880.1	24856.9	20755.8	16642.5	13106.3	9749.3	6843.2	4535.9	3150.1	2698.2	2355.1
-25°	24275.8	21009.3	17659.4	14358.0	11041.3	7920.0	5354.4	3789.8	2960.5	2607.0	2290.2
-27.5°	20183.7	17359.5	14564.3	11687.5	8793.0	6172.1	4252.9	3124.1	2770.8	2485.4	2224.5
-30°	16356.2	13922.5	11459.6	8942.4	6664.8	4640.1	3344.7	2911.3	2612.1	2355.2	2121.3
-32.5°	12667.8	10633.6	8472.8	6487.0	4756.2	3553.0	3024.0	2706.9	2459.5	2232.9	2024.2
-35°	9170.5	7575.9	5856.4	4563.2	3481.9	3088.6	2797.3	2546.9	2317.1	2110.1	1925.2
-37.5°	6135.0	4987.0	4126.0	3339.6	3084.6	2835.9	2611.5	2390.3	2176.5	1999.2	1836.5
-40°	4103.2	3419.8	3227.7	3018.6	2824.7	2630.3	2431.7	2231.9	2057.3	1895.1	1752.1
-42.5°	3168.4	3030.9	2904.7	2758.6	2601.0	2432.7	2257.8	2094.1	1941.1	1803.4	1675.4
-45°	2842.8	2736.9	2635.9	2524.5	2391.3	2250.4	2101.7	1965.6	1835.2	1716.0	1599.2
-47.5°	2566.6	2482.3	2396.1	2310.6	2202.0	2086.6	1969.0	1849.0	1739.2	1623.3	1457.4
-50°	2326.4	2259.2	2186.3	2115.3	2038.3	1950.7	1849.0	1746.6	1621.5	1464.4	1308.9
-52.5°	2127.7	2069.9	2010.4	1956.3	1897.7	1824.5	1734.0	1594.0	1449.7	1299.8	1153.8
-55°	1957.6	1908.6	1859.6	1817.1	1762.2	1655.8	1540.8	1405.8	1265.3	1127.1	1001.6
-57.5°	1808.6	1754.7	1682.7	1612.3	1541.0	1440.8	1327.2	1200.6	1080.3	964.6	850.8
-60°	1574.7	1514.1	1442.1	1368.6	1296.5	1208.0	1112.8	1010.2	903.2	808.1	713.6
-62.5°	1306.1	1248.4	1185.7	1123.1	1064.8	996.5	913.2	831.2	744.5	660.2	592.1
-65°	1045.4	999.7	947.8	898.0	852.1	801.7	731.8	669.4	607.8	544.9	485.6
-67.5°	814.4	778.6	738.2	698.7	669.5	638.0	591.7	540.9	496.0	455.3	417.5
-70°	632.6	609.0	583.2	555.1	532.7	513.3	484.4	450.5	415.3	383.6	354.5
-72.5°	502.9	488.1	471.7	453.8	435.9	421.4	401.6	376.7	350.6	322.7	299.8
-75°	411.1	400.2	388.3	376.1	363.2	349.2	336.4	321.5	305.6	288.5	272.7
-77.5°	348.3	340.7	333.0	326.4	319.2	311.4	301.9	288.7	276.1	262.9	250.6
-80°	312.1	305.7	299.5	294.4	289.0	282.5	275.0	264.1	252.9	241.6	230.9
-82.5°	284.0	278.6	273.2	268.4	263.3	257.4	251.0	241.6	232.1	222.1	212.4
-85°	258.2	253.3	248.3	243.9	239.4	234.1	228.6	220.4	212.2	203.2	194.3
-87.5°	234.5	229.7	224.9	221.6	218.3	213.4	208.4	201.5	194.5	186.8	179.2
-90°	2.0	2.0	2.0	2.5	3.0	3.0	3.0	3.5	4.0	4.0	4.0





REPORT NUMBER: P735965 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	162.1	156.1	150.1	144.1	139.2	134.2	128.8	123.3	115.8	108.3	96.9
87.5°	4.3	4.6	5.1	5.6	5.5	5.5	6.0	6.4	6.4	6.3	6.8
85°	4.9	5.3	5.6	6.0	6.0	6.0	6.4	6.8	6.8	6.7	7.1
82.5°	5.6	5.9	5.9	6.0	6.3	6.5	6.9	7.3	7.2	7.1	7.4
80°	5.9	6.0	6.2	6.3	6.6	7.1	7.4	7.7	7.8	7.7	7.9
77.5°	6.0	6.1	6.6	6.9	6.9	7.1	7.6	8.1	8.4	8.4	8.5
75°	6.0	6.2	6.7	7.1	7.1	7.2	7.7	8.2	8.7	9.1	9.1
72.5°	6.7	6.7	7.0	7.2	7.5	7.8	8.0	8.4	9.1	9.5	9.7
70°	8.4	7.6	7.6	8.0	8.2	8.5	8.9	9.1	9.4	10.0	10.2
67.5°	11.0	9.8	9.1	9.0	9.3	9.5	9.8	10.0	10.3	10.5	10.8
65°	17.3	14.0	10.9	10.8	10.6	10.6	10.8	11.3	11.1	11.7	11.4
62.5°	25.0	20.0	16.7	13.9	13.0	13.6	12.1	13.4	12.4	13.1	12.7
60°	33.8	26.8	23.3	20.5	18.3	18.0	17.2	16.0	15.7	14.7	14.4
57.5°	41.2	33.0	31.0	27.9	26.6	24.7	23.7	21.7	19.5	18.3	16.4
55°	47.0	40.1	39.3	36.7	36.1	33.4	31.8	29.1	24.7	22.6	18.5
52.5°	50.4	49.4	48.6	48.5	47.8	43.9	42.1	37.2	33.3	27.4	22.9
50°	58.7	62.1	60.8	63.8	61.5	59.4	53.2	48.1	42.5	33.5	27.7
47.5°	86.7	89.2	82.4	84.6	80.4	77.4	69.6	60.6	52.4	42.6	32.8
45°	160.1	134.2	126.3	116.6	107.2	103.0	89.4	73.8	64.6	52.3	38.0
42.5°	262.0	226.0	201.5	155.2	151.7	134.4	113.1	95.2	77.3	62.3	45.4
40°	400.7	352.8	299.9	250.8	207.5	170.4	148.3	119.9	90.7	73.4	54.4
37.5°	533.9	479.3	425.4	359.2	281.0	230.4	188.4	146.8	108.2	86.2	63.6
35°	643.9	590.7	539.9	468.8	387.5	293.6	232.3	179.2	133.0	99.5	73.0
32.5°	743.0	681.6	621.5	563.7	475.9	358.1	285.7	216.3	158.4	113.3	82.3
30°	837.7	763.1	693.1	637.2	545.9	430.8	338.5	251.6	184.3	127.5	92.0
27.5°	936.1	845.0	762.1	697.0	602.6	493.2	380.0	285.1	210.6	143.1	102.4
25°	1041.5	934.5	842.6	759.8	659.8	539.6	417.1	316.9	238.0	161.1	112.4
22.5°	1153.1	1024.0	920.2	827.2	723.0	584.7	453.3	349.5	259.2	178.0	121.9
20°	1258.7	1107.4	991.0	883.2	783.5	635.9	490.5	375.8	279.0	193.6	130.9
17.5°	1363.7	1187.9	1045.9	932.3	835.0	688.8	528.6	400.5	297.4	208.0	139.3
15°	1462.7	1266.2	1101.1	975.8	876.2	738.5	565.9	423.6	314.3	221.1	147.7
12.5°	1554.4	1340.1	1155.6	1013.2	906.9	783.2	601.5	445.1	329.6	234.3	156.2
10°	1636.7	1409.5	1208.7	1048.9	933.6	822.8	635.0	468.8	349.3	247.3	164.2
7.5°	1704.4	1473.0	1257.7	1082.9	957.7	856.8	671.3	499.1	368.8	259.1	171.6
5°	1762.3	1530.3	1306.4	1122.5	985.6	884.3	704.2	527.6	386.8	269.6	178.4
2.5°	1814.8	1580.5	1352.1	1160.2	1011.5	906.3	732.9	553.9	403.2	278.7	184.5
0°	1857.8	1622.3	1391.6	1193.8	1034.8	923.4	757.4	577.5	417.5	286.3	189.9
-2.5°	1896.7	1651.9	1424.2	1229.1	1073.6	949.0	772.4	589.3	429.3	296.4	196.4
-5°	1925.1	1673.6	1450.6	1260.0	1108.4	969.8	783.2	597.9	438.6	304.7	202.1
-7.5°	1970.0	1698.7	1474.3	1287.0	1138.2	984.8	789.5	603.4	445.4	311.2	206.9
-10°	2004.9	1721.8	1496.1	1309.3	1157.7	997.4	792.8	605.7	449.8	315.7	210.8
-12.5°	2032.1	1738.4	1510.7	1325.8	1173.2	1008.2	801.3	608.4	451.4	318.1	213.7
-15°	2052.7	1762.8	1525.8	1337.2	1186.2	1013.7	803.5	608.3	449.4	317.7	215.6
-17.5°	2059.3	1772.1	1533.5	1346.1	1195.3	1014.0	799.0	603.2	444.4	314.6	216.9
-20°	2062.5	1775.9	1530.6	1346.9	1198.1	1002.1	787.4	592.8	436.4	309.6	217.5



REPORT NUMBER: P735965 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2053.0	1777.5	1540.5	1345.5	1188.4	983.3	768.5	577.3	425.2	302.7	217.2
-25°	2012.8	1769.3	1542.4	1350.3	1163.2	956.8	748.3	561.2	410.9	294.0	215.9
-27.5°	1964.5	1738.3	1533.0	1344.3	1137.3	925.7	726.4	547.4	398.6	283.3	213.7
-30°	1911.1	1702.5	1510.8	1322.5	1102.7	892.0	699.9	529.3	387.3	277.0	210.6
-32.5°	1835.4	1661.0	1481.3	1276.9	1059.8	852.3	668.1	506.7	373.0	273.3	207.8
-35°	1762.0	1610.4	1445.4	1221.5	1009.4	812.1	633.7	479.4	355.6	268.1	204.7
-37.5°	1684.2	1547.6	1374.9	1157.1	950.3	765.7	598.7	453.4	335.3	261.3	200.5
-40°	1614.0	1463.9	1277.3	1084.1	888.8	712.2	559.1	428.0	322.2	253.0	195.3
-42.5°	1539.7	1351.7	1173.8	998.4	821.4	660.2	516.3	399.5	311.4	245.0	188.9
-45°	1417.8	1236.4	1064.1	906.0	748.5	602.7	480.6	370.6	298.6	236.4	183.5
-47.5°	1289.1	1117.3	954.8	809.0	677.7	544.4	439.3	353.7	283.9	226.5	180.3
-50°	1155.0	997.6	847.6	717.6	596.9	495.0	399.8	334.5	270.7	215.1	176.5
-52.5°	1016.7	878.7	746.1	625.9	530.5	442.2	372.7	312.3	255.9	207.6	172.1
-55°	878.8	764.0	645.9	546.9	465.9	402.9	343.4	291.1	239.5	201.4	167.5
-57.5°	750.0	649.3	559.1	475.8	414.2	364.8	315.5	268.4	229.1	194.4	164.8
-60°	625.8	552.9	476.8	419.4	370.3	328.4	287.9	248.1	219.9	187.3	161.3
-62.5°	523.9	463.7	418.8	370.9	329.4	294.5	261.5	235.3	209.2	182.3	157.3
-65°	443.9	404.8	365.1	327.7	291.8	264.3	245.9	221.9	200.6	176.8	152.8
-67.5°	380.8	349.4	318.4	285.7	263.5	246.3	229.4	211.3	192.4	170.7	147.8
-70°	325.3	297.3	278.5	261.5	244.0	228.8	217.0	201.7	183.9	164.3	142.4
-72.5°	284.0	269.3	254.9	240.0	227.7	216.3	205.3	191.7	175.4	157.5	136.7
-75°	258.5	246.9	236.0	224.8	214.1	203.7	193.5	181.5	166.5	150.4	130.9
-77.5°	240.4	230.4	219.9	209.7	200.4	190.9	181.5	171.0	157.3	142.9	124.7
-80°	222.4	213.5	204.4	195.5	186.8	178.0	169.6	160.4	148.0	135.1	118.3
-82.5°	204.4	196.5	188.9	181.1	173.6	166.0	158.1	149.6	138.4	127.0	112.3
-85°	187.6	180.8	173.8	166.6	160.2	153.9	146.9	139.8	130.4	120.9	107.4
-87.5°	173.4	167.5	161.2	154.9	149.5	144.1	137.9	131.6	123.1	114.7	102.2
-90°	4.0	4.0	4.5	5.0	5.0	5.0	5.5	6.0	6.0	6.0	6.5



REPORT NUMBER: P735965 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	85.5	71.1	56.7	40.8	24.9	16.9	8.9
87.5°	7.3	7.3	7.3	7.2	7.2	8.1	8.9
85°	7.5	7.6	7.7	7.5	7.3	8.3	8.9
82.5°	7.8	8.0	8.0	7.7	7.5	8.5	8.9
80°	8.1	8.3	8.3	8.0	7.7	8.7	8.9
77.5°	8.6	8.6	8.6	8.2	7.9	8.8	8.9
75°	9.1	9.1	9.0	8.5	8.1	9.0	8.9
72.5°	9.6	9.5	9.3	8.7	8.3	9.2	8.9
70°	10.2	10.0	9.7	9.0	8.6	9.4	8.9
67.5°	10.8	10.4	10.1	9.4	8.8	9.6	8.9
65°	11.6	11.0	10.5	9.8	9.1	9.8	8.9
62.5°	12.4	11.9	11.0	10.2	9.4	10.0	8.9
60°	13.4	12.9	11.4	10.6	9.7	10.2	8.9
57.5°	15.2	13.9	12.4	11.0	10.2	10.4	8.9
55°	17.3	15.0	13.6	11.4	10.8	10.6	8.9
52.5°	19.5	16.2	14.7	11.9	11.4	10.8	8.9
50°	21.8	18.5	15.9	12.3	12.1	11.0	8.9
47.5°	24.5	20.8	17.2	12.9	12.8	11.2	8.9
45°	29.0	23.3	18.5	13.9	13.5	11.4	8.9
42.5°	33.6	25.8	19.9	14.9	14.3	11.7	8.9
40°	38.5	28.5	21.7	16.4	15.0	11.9	8.9
37.5°	43.6	31.2	23.8	18.2	15.8	12.1	8.9
35°	48.7	34.9	25.9	19.9	16.7	12.3	8.9
32.5°	54.6	39.0	28.0	21.7	17.6	12.5	8.9
30°	62.2	43.0	30.1	23.5	18.4	12.7	8.9
27.5°	69.6	46.9	33.0	25.3	19.3	12.9	8.9
25°	76.7	50.8	36.0	27.1	20.2	13.2	8.9
22.5°	83.6	54.8	38.8	28.9	21.2	13.4	8.9
20°	90.3	59.3	41.6	30.7	22.1	13.6	8.9
17.5°	97.1	63.7	44.3	32.5	23.0	13.7	8.9
15°	103.9	68.0	47.0	34.2	23.9	13.9	8.9
12.5°	110.3	72.1	49.5	36.0	24.8	14.1	8.9
10°	116.2	76.0	51.9	37.6	25.7	14.3	8.9
7.5°	121.7	79.7	54.3	39.2	26.5	14.5	8.9
5°	126.7	83.2	56.5	40.8	27.3	14.6	8.9
2.5°	131.2	86.5	58.6	42.3	28.1	14.8	8.9
0°	135.2	89.5	60.6	43.7	28.8	14.9	8.9
-2.5°	139.9	93.1	63.4	45.6	29.9	15.4	8.9
-5°	144.0	96.4	66.1	47.3	31.0	16.0	8.9
-7.5°	147.5	99.4	68.6	49.0	31.9	16.5	8.9
-10°	150.4	102.1	71.0	50.6	32.9	17.0	8.9
-12.5°	152.7	104.5	73.2	52.0	33.7	17.4	8.9
-15°	154.3	106.6	75.1	53.3	34.6	17.9	8.9
-17.5°	155.4	108.3	76.9	54.5	35.3	18.3	8.9
-20°	156.1	109.7	78.5	55.6	36.0	18.7	8.9



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-VHE

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	156.9	110.7	79.8	56.6	36.6	19.1	8.9
-25°	156.9	112.0	80.9	57.4	37.1	19.4	8.9
-27.5°	156.3	113.2	81.8	58.0	37.5	19.7	8.9
-30°	154.9	114.0	82.5	58.5	37.9	20.0	8.9
-32.5°	152.8	114.4	83.6	58.9	38.2	20.3	8.9
-35°	152.0	114.3	84.4	59.1	38.4	20.5	8.9
-37.5°	151.5	114.4	85.1	59.2	38.6	20.7	8.9
-40°	150.6	114.9	85.5	59.1	38.7	20.8	8.9
-42.5°	148.9	115.1	85.7	59.1	38.7	20.9	8.9
-45°	146.7	114.9	85.9	59.2	38.6	21.0	8.9
-47.5°	144.0	114.5	85.8	59.1	38.4	21.1	8.9
-50°	142.5	113.8	85.5	59.1	38.2	21.1	8.9
-52.5°	141.0	112.7	84.9	59.0	37.9	21.0	8.9
-55°	139.1	111.4	84.1	58.8	37.5	21.0	8.9
-57.5°	136.9	109.7	83.0	58.4	37.0	20.9	8.9
-60°	134.3	107.7	81.7	57.8	36.5	20.8	8.9
-62.5°	131.3	105.4	80.6	57.1	35.9	20.6	8.9
-65°	127.9	102.8	79.2	56.2	35.3	20.4	8.9
-67.5°	124.2	100.2	77.7	55.2	34.6	20.2	8.9
-70°	120.1	97.5	75.9	54.1	33.8	19.9	8.9
-72.5°	116.0	94.5	74.0	52.8	32.9	19.6	8.9
-75°	111.6	91.3	71.9	51.4	31.9	19.3	8.9
-77.5°	106.8	87.8	69.7	49.9	30.9	18.9	8.9
-80°	101.8	84.6	67.4	48.3	29.8	18.6	8.9
-82.5°	97.9	81.4	64.9	46.6	28.6	18.2	8.9
-85°	93.9	78.1	62.3	44.8	27.4	17.8	8.9
-87.5°	89.8	74.7	59.6	42.8	26.2	17.3	8.9
-90°	7.0	7.0	7.0	7.0	7.0	8.0	8.9

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

